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PAPERS AND ABSTRACTS

From Fifty-fourth Annual Meeting (1922) to the Sixtieth Annual Meeting (1928) Inclusive

Kansas Grown Digitalis

Abstract of Paper 38 of the 1926 Meeting at Winfield

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Digitalis, one of the most reliable of heart tonics, is being successfully grown in the Drug Garden at the University of Kansas. The plant appears to thrive under cultivation. The seeds must be germinated in the greenhouse and the young plants transplanted in early spring. The following analytical data is presented:

Average yield of fully developed green leaves	
per plant	142 Gm.
Upon drying this weight was reduced	83.43%
Giving an average yield of air dry drug of	16.57%
The analysis of the air dry drug was as follows:	
Moisture	6.28%
Ash	17.65%
Insoluble Ash	6.54%
Fat removed by Benzin	3.13%

Biological Assay showed an activity of 160% U. S. P. standard. The acid insoluble ash is higher than the U. S. P. standard of 5%, but the assay shows the drug to be 60% above the U. S. P. standard of potency.

The result of this investigation shows that Kansas grown digitalis is a superior product. The work is being continued and it is planned to grow four hundred plants this season.